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DIVISION OF ENVIRONMENTAL HEALTH

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MINERALS PROGRAM
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RECEIVED
JUN 14 1989

DIVISION OF
OIL, GAS & MINING

June 14, 1989

Mr. R.J. Ramsey
Barney's Canyon Mine
P.O. Box 311
Bingham Canyon, Utah 84006-0311

Re: B.P. Minerals Cyanide Heap Leach
Barney's Canyon Project
O&M and Contingency plans
comments

Dear Mr. Ramsey:

We have reviewed the operating, maintenance, and environmental compliance procedures and also the spill prevention, control and countermeasures plan. The procedures and plan appear to be thorough and are approvable. However, the following comments must be addressed before approval:

1. Spill prevention, control and counter measures plan.
 - a. Page 16 - The emergency response phone number for the Division of Environmental Health is 538-6333.
 - b. Page 21 - It is suggested that the frequency of inspection of leach solution pipelines be specified.
 - c. Page 27 - It is suggested that "sealing the cover to the concrete culvert through the railroad grade to the east of the ponds" be somehow emphasized as a priority action item.
2. Operating, maintenance and environmental compliance procedures:
 - a. Page 25 and 26 - The entire reference to notification of the Bureau dependent upon the volume of solution found in the heap leach pad leak detection system must be deleted. This action must be replaced with wording to the effect that the Bureau of Water Pollution Control (the Bureau) must be notified within 24 hours by phone and within 5 days in writing if any process solutions are detected.
 - b. Page 32 - The reference to a double lined system and a secondary clay liner must be modified to reflect the quality of clay material actually installed. The reasoning and basis for this is included in our 3 May 1989 letter. A Copy is attached for your convenience.
 - c. Page 40 - The statement concerning short term shutdown must be modified to read that when any process fluids are found in the leak detection system remedial actions will be instituted or words to that effect.
 - d. Page 41 - The material of construction for Storage Area A should be corrected from asphalt paving to reinforced concrete.

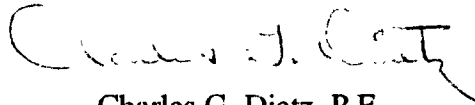
It should be understood that plans must be submitted for review and approval on sediment control ponds yet to be constructed.

Mr. R.J. Ramsey
Page Two

The comments should be incorporated into these documents and the revised documents submitted for further review.

Please call if there are any questions.

Sincerely,

A handwritten signature in dark ink, appearing to read "Charles G. Dietz". The signature is fluid and cursive, with a large initial "C" and a stylized "D".

Charles G. Dietz, P.E.
Environmental Engineer
Bureau of Water Pollution Control

CGD:jgh

w/enclosure

cc: Ms. Cindy Emmons, B.P. Minerals
Mr. L.J. Jacobsen, Barney's Canyon Gold Project
Mr. Kent Miner, Salt Lake City/County Health Dept.
Mr. Lowell Braxton, Oil, Gas and Mining

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